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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 7, 2003

Mr. Robert Kennedy
Air Program Manager
U.S. Department of the Army Headquarters,
III Corps and Fort Hood
Attn: AFZF-PW-ENV, Building 4219
77th Street and Warehouse Avenue
Fort Hood, Texas 76544-5057

Re: Permit by Rule Registration Number: 54052
Fort Hood Army Base - Sixty-Six Emergency Engine/Generator Sets
and Fifty-Seven Water Cooling Towers
(Corrected Letter)
Fort Hood, Bell County
Account Number: BF-0129-I

Dear Mr. Kennedy:

This is in response to below referenced corrections to your recent permit by rule application, including Form PI-7 and Form PI-8, concerning the operational use of sixty-six emergency engine/generator sets and fifty-seven water cooling towers (located sitewide) on the Fort Hood Army Base in Bell County, Texas. We understand that all sixty-six emergency engine/generator sets' operating hours will not exceed ten percent of the normal annual operating schedule of the primary equipment. The routine emissions associated with each, and all combined, sixty-six engine/generator sets are within permit by rule limitations.

As specifically represented in the sitewide total, three (3) engine/generator sets (Emission Point Nos. [EPNs] EMGEN1, EMGEN2, and EMGEN3) are located at the III Corps Headquarters (Building 1001) while an additional three (3) engine/generator sets (EPNs EMGEN4, EMGEN5, and EMGEN6) are located at the Army Base Hospital (MEDDAC Building 36000). These engine/generator sets have been specifically certified, by the submission of a Form PI-8, to operate no more than 500 hours per year. In-turn, these engine/generator sets have emission estimates corresponding to that maximum operating time. The routine emissions associated with the additional sixty engine/generator sets are within the limitations stipulated by Title 30 Texas Administrative Code § 106.511 (30 TAC § 106.511).

We further understand that the fifty-seven water cooling towers are located at various locations throughout the Fort Hood Army Base. The water cooling towers are not in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases. It is recognized that there are negligible emissions resulting from the operational use of the water cooling towers.

Mr. Robert Kennedy

Page 2

March 7, 2003

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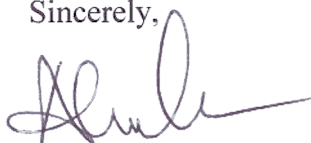
After evaluation of the information which you have furnished, we have determined that the operational use of sixty-six emergency engine/generator sets and fifty-seven water cooling towers located at various locations on the Fort Hood Army Base are authorized under 30 TAC §§ 106.511 and 106.371, respectively, if constructed and operated as described in your registration request. These permits by rule were authorized by the Texas Commission on Environmental Quality (TCEQ) pursuant to 30 TAC Chapter 106.

Copies of the permits by rule in effect at the time of this registration are enclosed. You must construct, install, or modify these facilities in accordance with the version of the permits by rule in effect when construction, installation, or modification actually begins [see 30 TAC § 106.4(a)(5)]. After completion of construction, installation, or modification, these facilities shall be operated in compliance with all applicable conditions of the claimed permits by rule and 30 TAC § 106.4.

You are reminded that regardless whether a permit is required, these facilities must be in compliance with all rules and regulations of the TCEQ and the U.S. Environmental Protection Agency at all times.

Your cooperation in this matter is appreciated. If you have any questions concerning these permits by rule, please call Mr. Robert D. Walts at (210) 403-4065 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-162), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,



Anne M. Inman, Manager
Permit by Rule/General Operating Permits section
Air Permits Division
Texas Commission on Environmental Quality

AI/RW/bs

Enclosures

cc: Mr. Salal Tahiri, Air Section Manager, Region 9 - Waco, Texas

Record Number 95028

TITLE 30 ENVIRONMENTAL QUALITY
PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 106 PERMITS BY RULE
SUBCHAPTER W TURBINES AND ENGINES
RULE §§106.511 *Portable and Emergency Engines and Turbines*

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this section, "standby" means to be used as a "substitute for" and not "in addition to" other equipment.

Source Note: The provisions of this §§106.511 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective September 4, 2000, 25 TexReg 8653

TITLE 30	ENVIRONMENTAL QUALITY
PART 1	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 106	PERMITS BY RULE
SUBCHAPTER P	PLANT OPERATIONS
RULE §§106.371	Cooling Water Units

Water cooling towers, water treating systems for process cooling water or boiler feedwater, and water tanks, reservoirs, or other water containers designed to cool, store, or otherwise handle water (including rainwater) that have not been used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases are permitted by rule.

Source Note: The provisions of this §§106.371 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective September 4, 2000, 25 TexReg 8653

RULE §§106.372 Industrial Gases

Any air separation, or other industrial gas production, storage, or packaging facility is permitted by rule. Industrial gases, for purposes of this section, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.

Source Note: The provisions of this §§106.372 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective September 4, 2000, 25 TexReg 8653

RULE §§106.373 Refrigeration Systems

Refrigeration systems, including storage tanks used in refrigeration systems, that use one of the following categories of refrigerant are permitted by rule:

- (1) simple asphyxiants limited to argon, carbon dioxide, ethane, helium, hydrogen, methane, neon, nitrogen, propane, propylene, or liquefied natural gas; or
- (2) any other chemical, excluding anhydrous ammonia, with a short-term effects screening level (ESL) published in the commission's ESL list greater than $150 \mu\text{g}/\text{m}^3$;
- (3) anhydrous ammonia (ammonia) provided:
 - (A) the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and
 - (B) the system is maintained in good working order and such that ammonia leaks are not detectable beyond the operator's property line.

Source Note: The provisions of this §§106.373 adopted to be effective March 14, 1997, 22 TexReg 2439; amended to be effective July 8, 1998, 23 TexReg 6966; amended to be effective September 4, 2000, 25 TexReg 8653